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U.S. DEPARTMENT OF LABOR

Form Approved
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Occupational Safety and Health Administration

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MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

JUNE 1980

SECTION I

MANUFACTURER'S NAME Koppers Co., Inc.		EMERGENCY TELEPHONE NO. 412-227-2000
ADDRESS (Number, Street, City, State, and ZIP Code) Pittsburgh, PA 15219		
CHEMICAL NAME AND SYNONYMS Alkyd	TRADE NAME AND SYNONYMS Synthetic Rust Inhibiting Primer	
CHEMICAL FAMILY Alkyd	FORMULA P-380-66 (TT-P-664C Am 1)	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS Zinc Chromate		.05Mg/M ³			
ADDITIVE 24% Lead Napth Drier		.15mg/M ³	ALLOYS		
			METALLIC COATINGS		
SOLVENTS * see below			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES

	%	TLV (Units)
* SO-265		275PPM
Ethyl Benzene		100PPM
Isobutanol		50PPM
VM&P		300PPM
SO-1200		150PPM

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)		SPECIFIC GRAVITY (H ₂ O=1)	Wt/Gal 10.5+/- .2
VAPOR PRESSURE (mm Hg.)		PERCENT VOLATILE BY VOLUME (%)	63
VAPOR DENSITY (AIR=1)	Heavier	EVAPORATION RATE (N.B. Acetate=1)	Moderately Fast
SOLUBILITY IN WATER			
APPEARANCE AND ODOR	Viscous liquid with typical solvent odor.		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) 50°F TCC	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA CO ₂ , dry chemical, water spray, or fog.			
SPECIAL FIRE FIGHTING PROCEDURES Use air supplied equipment for enclosed areas. Cool exposed container with water.			
UNUSUAL FIRE AND EXPLOSION HAZARDS Keep away from heat, sparks or open flame.			

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

.05Mg/M³ from Zinc Chromate in air; .15 Mg/M³ from lead in air; 50 ppm from solvent vapor.

EFFECTS OF OVEREXPOSURE

Irritation to eyes, nose and throat near or above 50 ppm from vapors. Higher concentrations cause drowsiness, dizziness, followed by coma. Dangerously high concentrations could cause death from explosion or from breathing.

EMERGENCY AND FIRST AID PROCEDURES

If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Call a physician. In case of skin contact, wash thoroughly with soap and water; for eyes, flush immediately with plenty of water for 15 minutes and contact a physician. Wash contaminated clothing before reuse. If swallowed, CALL A PHYSICIAN IMMEDIATELY. DO NOT induce vomiting.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid)			
HAZARDOUS DECOMPOSITION PRODUCTS			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
Remove all sources of ignition (flame, electrical, static or frictional sparks; hot surfaces, etc.). Avoid breathing vapors. Ventilate area. Contain and scoop up spill with non-sparking tools, rags, etc. Use inert absorbent materials on small spills or on residuals of large spills.	
WASTE DISPOSAL METHOD	
Dispose of in accordance with local applicable regulations.	

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) Organic vapor canister where oxygen content is adequate and vapor concentration is less than 2% or use air supplied face masks.		
VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (General)	OTHER
PROTECTIVE GLOVES	Rubber gloves	EYE PROTECTION
		Goggles
OTHER PROTECTIVE EQUIPMENT		

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
Keep containers closed and upright to prevent leakage. Avoid flames, welding, smoking, sparks, open lights, etc. Avoid breathing of vapor or spray mist. Avoid eye and skin contact.	
OTHER PRECAUTIONS	
Maintain good personal hygiene. Do not use in confined areas, tank or pit without adequate ventilation.	